

# FUNAI

## LED LCD HD Television Instruction Manual English

---

**46FD753P**

**39FL753P**

**32FL553P / 32FL553**

**29FL553P / 29FL553**

**24FL553P / 24FL553**

# Contents

<b>UNIT INFORMATION</b> .....	<b>2</b>
Trademark Information .....	2
Servicing .....	2
Cabinet Cleaning .....	2
Panel Cleaning .....	2
Remote Control .....	3
Control panel .....	4
Terminal .....	5
<b>INITIAL SETUP</b> .....	<b>6</b>
<b>OPERATIONS</b> .....	<b>7</b>
Watching a TV Programme .....	7
Favourite .....	7
EPG(Electronic Programme Guide) .....	7
Sleep Timer .....	8
Sound Select .....	8
Subtitle Settings .....	8
Teletext Settings .....	8
Switching the Input Source Mode .....	9
SmartConnect .....	9
Recording .....	10
Photo / Music / Video Playback .....	11
<b>OTHER SETTINGS</b> .....	<b>15</b>
Channel Settings .....	15
PC Settings .....	18
Picture Adjustment .....	18
Sound Adjustment .....	19
Time Settings .....	20
Lock Settings .....	21
Setup Adjustment .....	23
Hotel Mode Settings .....	26
<b>TROUBLESHOOTING GUIDE</b> .....	<b>28</b>
<b>SPECIFICATIONS</b> .....	<b>30</b>
Input Resolution .....	32
Multimedia Format .....	32

# UNIT INFORMATION

## Trademark Information

- Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.
- The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
- DVB is a registered trademark of the DVB Project.
- The “HD TV” Logo is a trademark of DIGITALEUROPE.

## Servicing

- Should your unit become inoperative, do not try to correct the problem by yourself. There are no user-serviceable parts inside. Take the unit to a Service Centre for servicing.

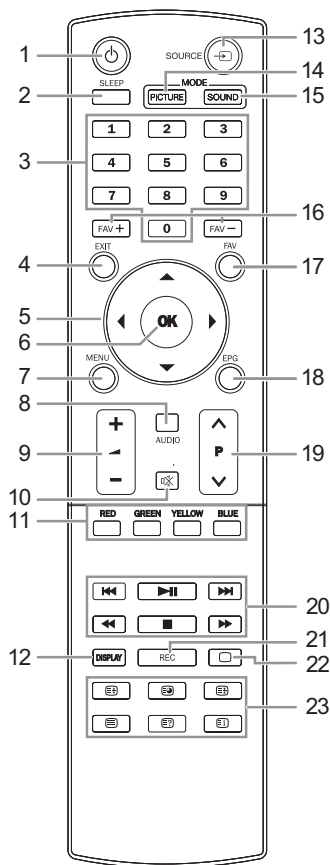
## Cabinet Cleaning

- Gently wipe the front panel and other exterior surfaces of the unit with a soft cloth.
- Never use a solvent or alcohol. Do not spray insecticide liquid near the unit. Such chemicals may cause damage and discoloration to the exposed surfaces.

## Panel Cleaning

- If the LCD panel should require cleaning, wipe it with a cotton or soft cloth. Before cleaning the panel, disconnect the power cord.

## Remote Control

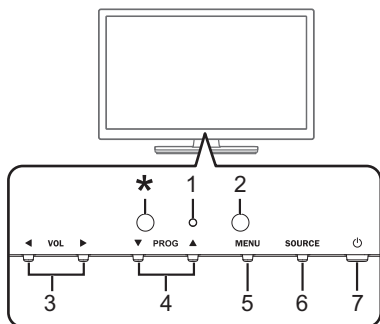


1. **Power**  
Turn the unit on and go into the standby mode.
2. **SLEEP**  
Refer to "Sleep Timer" (p. 8).
3. **Number buttons**  
Select the desired channel in TV mode and enters the password in the PIN code input field.
4. **EXIT**  
Returns to the previous display.
5. **▲ / ▼ / ◀ / ▶ (Cursor)**
6. **OK**
7. **MENU**  
Displays the menu.
8. **AUDIO**  
Select audio language/ mode.  
Refer to "Sound Select" (p. 8).
9. **◀ + / -**  
Adjust the audio volume.  
Refer to "To adjust the volume" (p. 7).

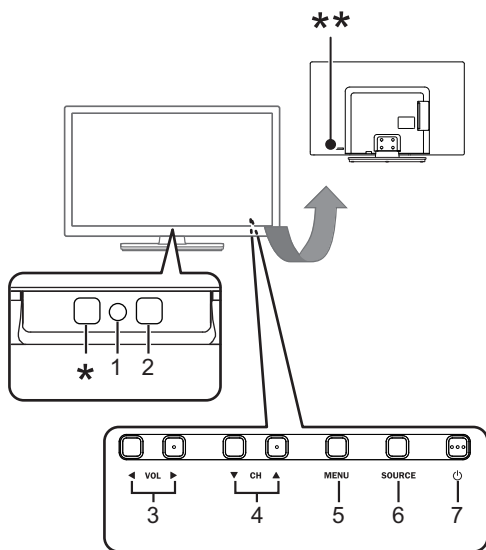
10. **Mute**  
Turn off the sound.  
Refer to "To adjust the volume" (p. 7).
11. **RED / GREEN / YELLOW / BLUE**  
Use for "EPG(Electronic Programme Guide)" (p. 7) / "[Programme Edit]" (p. 16).
12. **DISPLAY**  
Displays the channel number or input source.
13. **SOURCE**  
Switch the input source mode.  
Refer to "Switching the Input Source Mode" (p. 9).
14. **PICTURE MODE**  
Change the picture mode.  
Refer to "[Picture Mode]" (p. 18).
15. **SOUND MODE**  
Change the sound mode.  
Refer to "[Sound Mode]" (p. 19).
16. **FAV + / FAV -**  
Use for "Favourite" (p. 7).
17. **FAV**  
Use for "Favourite" (p. 7).
18. **EPG**  
Use for "EPG(Electronic Programme Guide)" (p. 7).
19. **P ^ / v**  
Select a channel.  
Refer to "To select a channel" (p. 7).
20. **▶|| (Play / Pause) / ◀◀ (Skip backward) / ▶▶ (Skip forward) / ■ (Stop) / ◀◀ (Rewind) / ▶▶ (Fast-forward)**  
Use for "Recording" (p. 10) / "Photo / Music / Video Playback" (p. 11).
21. **REC (Record)**  
Use for "Recording" (p. 10).
22. **⋮ (Subtitle)**  
Displays the subtitle list.  
Refer to "Subtitle Settings" (p. 8).
23. **⊞ (Expand) / ⊞ (Subpage) / ⊞ (Hold) / ⊞ (Text) / ⊞ (Reveal) / ⊞ (Index)**  
Use for "Teletext Settings" (p. 8).

## Control panel

39FL753P/32FL553P/32FL553/  
29FL553P/29FL553/24FL553P/24FL553



## 46FD753P



\* This window has no function.

\*\* Keys on Rear.

Control Keys are located on the Rear side of the TV.

### 1. Standby / Power indicator

(Power on : no light, Standby : red)

### 2. Infrared sensor window

Receive the infrared rays transmitted from the remote control.

### 3. VOL ◀ / ▶

• Watching TV, **VOL ◀ / ▶** on the front panel works the same function as ◀ + / —.

Refer to "9. ◀ + / —" (p. 3).

• On the menu, **VOL ◀ / ▶** on the front panel works the same function as ◀ / ▶ (cursor).

### 4. CH ▲ / ▼ (46FD753P)

**PROG ▲ / ▼** (39FL753P/32FL553P/32FL553/29FL553P/29FL553/24FL553P/24FL553)

• Watching TV, **PROG ▲ / ▼** and **CH ▲ / ▼** on the front panel works the same function as

**P ▲ / ▼**.

Refer to "19. P ▲ / ▼" (p. 3).

• On the menu, **PROG ▲ / ▼** and **CH ▲ / ▼** on the front panel works the same function as ▲ / ▼ (cursor).

### 5. MENU

Refer to "7. MENU" (p. 3).

### 6. SOURCE

Refer to "13. SOURCE [Source] " (p. 3).

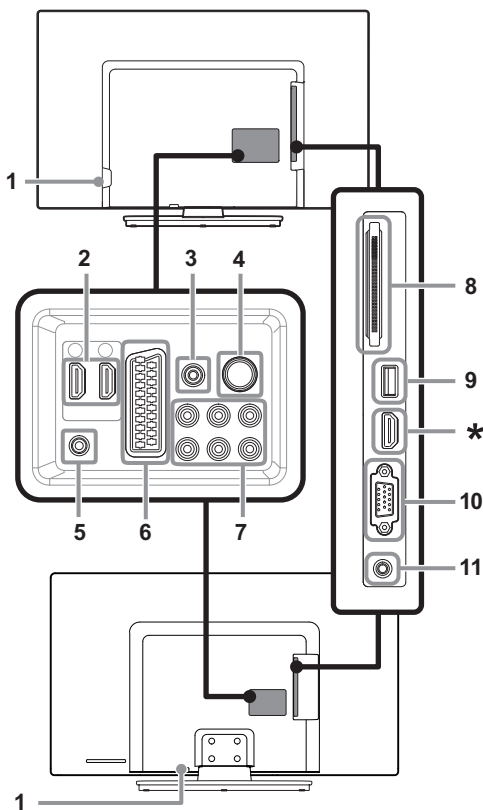
• On the menu, **SOURCE** on the front panel works the same function as **OK**.

### 7. ⏻ (Power)

Refer to "1. ⏻ (Power)" (p. 3).

## Terminal

39FL753P/32FL553P/32FL553/  
29FL553P/29FL553/24FL553P/24FL553



1. AC power cord inlet
2. HDMI (HDMI 1 / HDMI 2) input jacks
3. Coaxial digital audio output jack
4.  $\Gamma$  (Aerial) input jack
5. Headphone audio output jack
6. SCART jack
7. Component video, Composite video and Audio (L/R) input jacks
8. CI slot
9. USB terminal (p. 10, 11)


- Data input from USB flash memory only.
- User should not connect any devices to the USB terminal such as digital camera, keyboard, mouse, etc. (because these will not work.)
- The software update is, in most cases, handled by an authorised service person or in some circumstances the user may be asked to do the software update themselves.

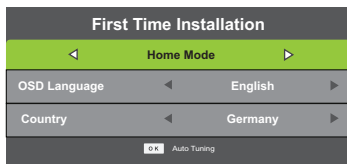
10. PC (VGA) input jack
  11. Audio input jack for PC connection
- \* HDMI (HDMI 3) input jack for MHL function  
P series only - (46FD753P/39FL753P/32FL553P/  
29FL553P/24FL553P)

46FD753P

# INITIAL SETUP

This section will guide you through the unit's initial setup which includes selecting a language for your on-screen menu and auto scan, which automatically scans and memorises viewable channels.

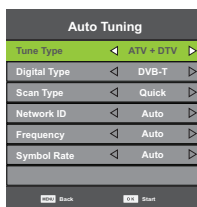
- 1 After making all the necessary connections, turn on the unit pressing .



- 2 Use **◀ / ▶** to select the location.

• If you select **[Retail Mode]**, the confirm message will appear.

- 3 Use **▲ / ▼** to select **[OSD Language]**, then select the language you want, using **◀ / ▶**.
- 4 Use **▲ / ▼** to select **[Country]**, then select the country you want, using **◀ / ▶**.
- 5 Press **OK** to enter **[Auto Tuning]**.



- 6 Use **▲ / ▼** to select **[Tune Type]**, then select **[DTV]**, **[ATV]** or both channels, using **◀ / ▶**.
- 7 Use **▲ / ▼** to select **[Digital Type]**, then select **[DVB-T]** or **[DVB-C]**, using **◀ / ▶**.
- 8 Use **▲ / ▼** to select **[Scan Type]**, then select **[Full]** or **[Quick]**, using **◀ / ▶**.
- 9 Use **▲ / ▼** to select the item you want, and then adjust the setting, using **◀ / ▶**.
- 10 Press **OK** to start scanning.

- When scanning starts, confirmation menu will appear.
- To turn back previous page, pressing **MENU** button in **[Auto Tuning]** menu.
- In case when not all available cable channels are found through **[Full]** scanning mode, these programs can be scanned by selecting **[Quick]** mode. Please note, that **[Quick]** mode scanning can take additional time.
- Depending on cable TV provider specification, correct subscription to cable signals cannot be guaranteed.
- When the scanning is completed, the lowest memorised digital or analogue channel will be displayed.
- If you press **MENU** during channel scanning, this operation will be paused, then press **MENU** again to exit the initial setup.
- You can set the setup again. Refer to "[First Time Installation]" (p. 25)

# OPERATIONS

## Read this first

These operations are accessible by remote control. Some may also be accessible by controls on the main unit.

## Watching a TV Programme

### To select a channel

Use **P** **^** / **v** repeatedly to select your desired channel, or use the **Number buttons** to enter a channel number, then press **OK** for quicker access. (e.g.) If you want to select the channel 24 without pressing **OK**, press **2** first, then press **4** within 3 seconds.

### To adjust the volume

Use **← +** / **—** to adjust the audio volume. Press **□×** to turn on or off the sound right away.

- You can recover the original volume by pressing **□×** again or **← +** / **—**.

## Favourite

You can easily find a favourite channel.

- You can set favourite channel at "[Programme Edit]" (p. 16).

- Press **FAV** while watching a programme to show the favourite channel list.
- Use **▲** / **▼** to select the channel you want, then press **OK**.



- Use **FAV** **+** / **—** to select the favourite channel while watching a programme.
- Use **◀** / **▶** to move to the previous or next page.

- Press **EXIT** to exit.

## EPG(Electronic Programme Guide)

### For Digital TV operation

You can easily find a channel or see the detailed channel information. EPG gives you scheduled information of the TV programme.

- Press **EPG** to display **[PROGRAMME GUIDE]** menu and use **▲** / **▼** to select a channel.



### [Record] : RED

Select the programme you want and press **RED** to reserve the recording.

### [Remind] : GREEN

Select the programme you want and press **GREEN** to remind the reservation.

### [Prev Day] : YELLOW

Press **YELLOW** to move to the page of previous day.

### [Next Day] : BLUE

Press **BLUE** to move to the page of next day.

### [Move View] : ▲ / ▼ / ◀ / ▶

It is possible to use **▲** / **▼** / **◀** / **▶** (Cursor).

### [Details] : DISPLAY

Press **DISPLAY** to display the detail information.

### [Exit] : EXIT

Press to exit the menu.

## Sleep Timer

The sleep timer can be set the unit to go to the standby mode after an incremental period of time.

- 1 Press **SLEEP** repeatedly to change the sleep time period.

- Available options are; Off / 10min / 20min / 30min / 60min / 90min / 120min / 180min / 240min.
- Press **SLEEP** repeatedly until **[Off]** appears to cancel the sleep timer.
- If the unit goes into standby mode, the sleep timer will be cancelled.

## Sound Select

### For Digital TV operation

Press **AUDIO** to display currently selected audio language with the number of available ones and press repeatedly to cycle through them.

- Dolby D** : Dolby Digital sound
- Dolby D+** : Dolby Digital Plus sound
- AAC** : HE-AAC sound
- MPEG** : MPEG sound

### For Analogue TV operation

Press **AUDIO** to display currently selected audio mode and press repeatedly to cycle through the available audio mode.

(e.g.)

NICAM STEREO ↔ Mono
[NICAM DUAL I → NICAM DUAL II → Mono ↑
NICAM MONO ↔ Mono
Stereo ↔ Mono
DUAL I ↔ DUAL II
Mono

## Subtitle Settings

You can change the subtitle settings used for TV programmes.

- 1 Press **[Sub]** (**Subtitle**) to display the subtitle language list.
- 2 Use **▲ / ▼** to select the subtitle language you want, then press **OK**.

## Teletext Settings

You can change the teletext settings used for TV programmes.

- 1 Press **[Text]** (**Text**) to turn on the teletext decoder.
- 2 Press **[Text]** (**Text**) repeatedly to show the teletext in transparent mode.


- To enlarge fonts, press **[F3]**.
- To select the teletext subpages, press **[F4]**.
- To directly select the page numbers shown at the bottom of the TV screen, use **RED / GREEN / YELLOW / BLUE**.
- To call up the hidden information, press **[F7]**.
- To hold the current page, press **[F8]**.
- To go back to the start page, press **[F1]**.

- 3 Press **EXIT** to turn off the teletext decoder.

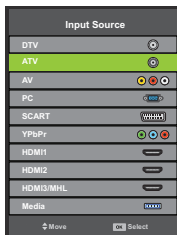


## Switching the Input Source Mode

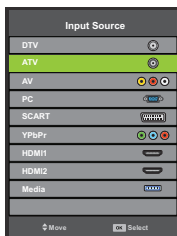
You can switch the input source mode to TV mode or external input mode.

- 1 Press **SOURCE** .
- 2 Use **▲ / ▼** to select the input mode you want, then press **OK**.

### 46FD753P/39FL753P/32FL553P/29FL553P/ 24FL553P



### 32FL553/29FL553/24FL553



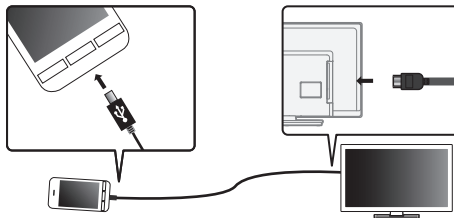
## SmartConnect


This unit can display the screen of other device with MHL function and use the remote control of this unit to operate it.

During the connection, the device is charged up.

### Setup for SmartConnect

You must connect the HDMI cable to HDMI3/MHL input jack of this unit and micro USB cable to the device with MHL function (shown below).



- 1 Press **SOURCE**  to display the input source mode.
- 2 Use **▲ / ▼** to select **[HDMI3/MHL]** on the list, then press **OK** to display the screen of the connected device.
- 3 Release the lock of the connected device and use remote control to operate it.

### Note for SmartConnect

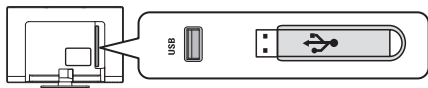
- If you want to exit this mode, select any other input source mode. Refer to "Switching the Input Source Mode" (p. 9).
- HDMI 1 and HDMI 2 input jacks do not accept the function.
- Available features are limited on remote control operation.
- Use HDMI and micro USB cable. If you use any other cable, we cannot guarantee.
- The connected cable between the unit and a device is not supplied with this unit.
- We do not guarantee the device with all MHL function can be supported on this unit.
- Funai cannot be held responsible if your device is not supported, nor will Funai accept any liability for damage or loss of stored data.
- Be sure to keep a backup copy of the original files on your device before you play them back on this unit. We have no responsibilities for damage or loss of your stored data.
- To avoid damaging the connecting device and the unit always turn off the unit before you unconnect the cable.
- When the unit does not recognise the connected device, try reconnecting it.
- For details, please access: <http://www.mhlconsortium.org/>

## Recording


This unit can record a TV programme. Use a USB flash memory for saving the data.

## Setup for Recording / Playback

You must connect the USB flash memory to USB terminal of this unit (shown below).



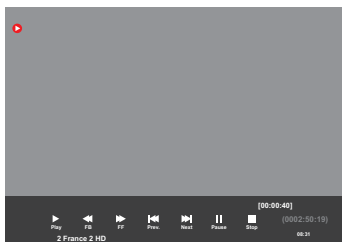
- The USB flash memory is not supplied with this unit.
- USB 2.0 High speed flash memory is recommended.
- The unit recognise a USB flash memory only. Do not use a USB hub and an extension cord between the USB flash memory and the unit. Always connect the USB flash memory to this unit directly.
- We do not guarantee the all USB flash memory can be supported on this unit.

1 Press **SOURCE**  to display the input source mode and use **▲ / ▼** to select **[DTV]**, then press **OK**.

- If you want to exit this mode, select any other input source mode. Refer to “Switching the Input Source Mode” (p. 9).

## Record


2 Select the channel you want, then press **REC** to start recording the current programme.

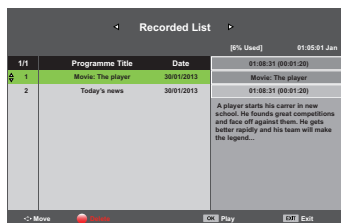


3 Press  to stop the recording.

- When you stop the recording, it will return to normal broadcast television.
- When the storage space of disk is shortage, it will appear a warning message. Then it stops recording automatically and returns to normal broadcast television.

## Playback

- 2 Press  (**Index**) to call up the recorded list.
- 3 Use **▲ / ▼** to select the desired file, then press **OK** to start the playback.



## Operation in Playback


Press **OK** to display the menu.

 :

Press to play or pause the playback.

 :

Press to rewind or fast-forward the playback.

Every press on  will rewind or fast-forward faster up to five.

 :

Press to skip backward or forward the file.

 :

Press to stop the playback.

**EXIT:**

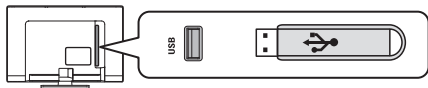
Press to disappear the menu during the menu appears.


## Photo / Music / Video Playback

This unit can play picture, music and video files. Use the USB flash memory that contains the files.

### Setup for Playback

You must connect the USB flash memory to USB terminal of this unit (shown below).



- 1 Press **SOURCE**  to display the input source mode and use **▲** / **▼** to select **[Media]**, then press **OK**.

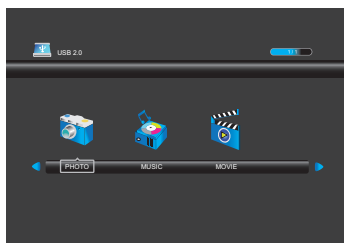
- If you want to exit this mode, select any other input source mode. Refer to "Switching the Input Source Mode" (p. 9).

### Note for Playback

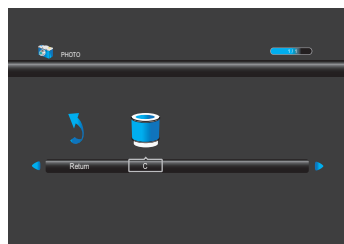
- You can check Multimedia Specification. Refer to "Multimedia Format" (p. 32).
- The USB flash memory is not supplied with this unit.
- The unit recognise a USB flash memory only. Do not use a USB hub and an extension cord between the USB flash memory and the unit. Always connect the USB flash memory to this unit directly.
- We do not guarantee the all USB flash memory can be supported on this unit.
- Funai cannot be held responsible if your USB flash memory is not supported, nor will Funai accept any liability for damage or loss of stored data.
- A USB flash memory that required its own driver or the device with a special system such as fingerprint recognition are not supported.
- Be sure to keep a backup copy of the original files on your device before you play them back on this unit. We have no responsibilities for damage or loss of your stored data.
- To avoid damaging the USB flash memory and the unit always turn off the unit before you remove the USB flash memory.
- This unit is not allowed to use the USB flash memory which requires external power supply (500 mA or more).
- This unit can be recognised up to 60,000 files in the USB flash memory.
- This unit may not be recognised if the length of the file names is too long. Only English characters can be recognised.
- This unit does not support NTFS or the file other than FAT16 and FAT32 file system. If the file is not supported, error message appears.
- When the unit does not recognise the USB flash memory, try reconnecting it.
- This unit cannot play back a file which go over the limit of file restriction.

## [PHOTO]

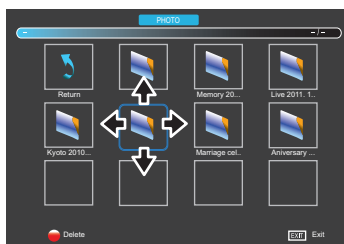
- 2 Use ◀ / ▶ to select [PHOTO], then press **OK**.



- 3 Use ◀ / ▶ to select [C], then press **OK** to enter the file.



- 4 Use ▲ / ▼ / ◀ / ▶ to select the desired file, then press **OK**.



- The check box is displayed at the right bottom by pressing the **OK**. The files having the check box are played by pressing **▶▶**. If they are not selected, then all playable files in the folder are played.
- If you put audio files into the folder of picture files, you can play music during the slideshow.

## Operation in Slideshow

### OK / DISPLAY :

Press to display the menu.

### [Repeat]:

Use ◀ / ▶ to select [**Repeat**] and press **OK** to switch the repeat mode: [**Repeat None**], [**Repeat 1**] and [**Repeat All**] in order.

### [Music]:

Use ◀ / ▶ to select [**Music**] and press **OK** to play the music file in the same folder.

### [Rotate](right-handed or left-handed rotate):

Use ◀ / ▶ to select [**Rotate**] and press **OK** to turn the picture clockwise by 90 degrees.

### [Zoom In]:

Use ◀ / ▶ to select [**Zoom In**] and press **OK** to zoom in the display.

The zoom factor: 2x, 4x and 8x

### [Zoom Out]:

Use ◀ / ▶ to select [**Zoom Out**] and press **OK** to zoom out the display.

The zoom factor: 1x, 2x and 4x

### [Playlist]:

Use ◀ / ▶ to select [**Playlist**] and press **OK** to display the playlist.

### [Info.]:

Use ◀ / ▶ to select [**Info.**] and press **OK** to display the information of the current file.

### [Move View]:

Use ◀ / ▶ to select [**Move View**] and press **OK** to enter the move view mode, and use ▲ / ▼ / ◀ / ▶ to move the picture, if the picture big enough to surpass the screen.

### ▶▶ :

Press to play or pause the slideshow.

### ◀◀ / ▶▶ :

Press to skip backward or forward the file.

### ■ :

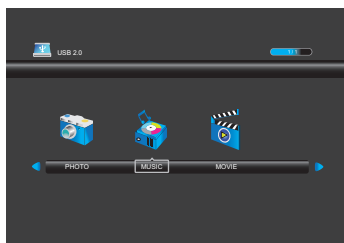
Press to stop the slideshow.

### EXIT:

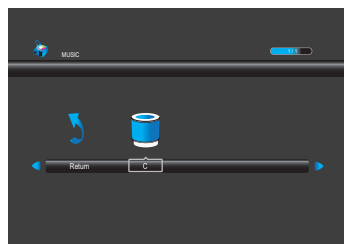
Press to go back to the previous screen.

## [MUSIC]

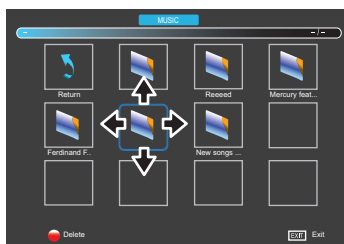
- 2 Use ◀ / ▶ to select [MUSIC], then press **OK**.



- 3 Use ◀ / ▶ to select [C], then press **OK** to enter the file.



- 4 Use ▲ / ▼ / ◀ / ▶ to select the desired file, then press **OK**.



- The check box is displayed at the right bottom by pressing the **OK**. The files having the check box are played by pressing ▶|I. If they are not selected, then all playable files in the folder are played.

## Operation in Playback

### OK / DISPLAY :

Press to display the menu.

### [Repeat]:

Use ◀ / ▶ to select [Repeat] and press **OK** to switch the repeat mode: [Repeat None], [Repeat 1] and [Repeat All] in order.

### [MUTE]:

Use ◀ / ▶ to select [MUTE] and press **OK**.

### [Playlist]:

Use ◀ / ▶ to select [Playlist] and press **OK** to display the playlist.

### [Info.]:

Use ◀ / ▶ to select [Info.] and press **OK** to display the information of the current file.

### [Goto Time]:

Use ◀ / ▶ to select [Goto Time] and press **OK** to move the time you want in the playback.

### ▶|I :

Press to play or pause the playback.

### ◀◀ / ▶▶ :

Press to rewind or fast-forward the playback.

### ◀◀ / ▶▶ :

Press to skip backward or forward the file.

### ■ :

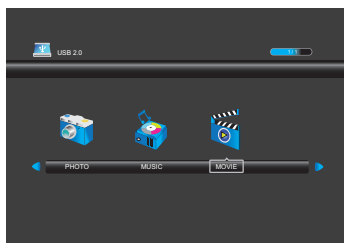
Press to stop the playback.

### EXIT:

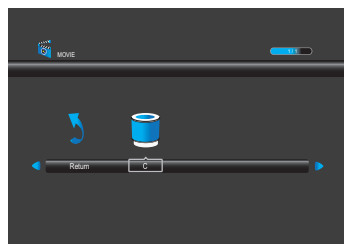
Press to go back to the previous screen.

## [MOVIE]

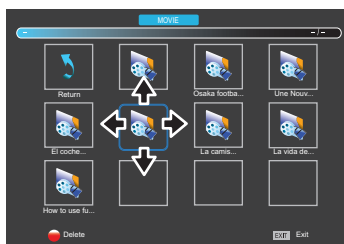
- 2 Use ◀ / ▶ to select **[MOVIE]**, then press **OK**.



- 3 Use ◀ / ▶ to select **[C]**, then press **OK** to enter the file.



- 4 Use ▲ / ▼ / ◀ / ▶ to select the desired file, then press **OK**.



- The check box is displayed at the right bottom by pressing the **OK**. The files having the check box are played by pressing **▶||**. If they are not selected, then all playable files in the folder are played.

## Operation in Playback

### OK / DISPLAY :

Press to display the menu.

### [Repeat]:

Use ◀ / ▶ to select **[Repeat]** and press **OK** to switch the repeat mode: **[Repeat None]**, **[Repeat 1]** and **[Repeat All]** in order.

### A-B Repeat:

Use ◀ / ▶ to select **A-B Repeat** and press **OK** to switch the limited repeat mode: **[Set A]**, **[Set B]** and **[None]** in order.

### [Playlist]:

Use ◀ / ▶ to select **[Playlist]** and press **OK** to display the playlist.

### [Info.]:

Use ◀ / ▶ to select **[Info.]** and press **OK** to display the information of the current file.

### [Slow Forward]:

Use ◀ / ▶ to select **[Slow Forward]** and press **OK** to play slow.

### [Step Forward]:

Use ◀ / ▶ to select **[Step Forward]** and press **OK** to play frame-by-frame playback.

### [Goto Time]:

Use ◀ / ▶ to select **[Goto Time]** and press **OK** to move the time you want in the playback.

### ▶|| :

Press to play or pause the playback.

### ◀ / ▶ :

Press to rewind or fast-forward the playback.

### ◀◀ / ▶▶ :

Press to skip backward or forward the file.

### ■ :

Press to stop the playback.

### EXIT:

Press to go back to the previous screen.

# OTHER SETTINGS

## Read this first

Before adjust each setting, press **MENU** to display the menu.

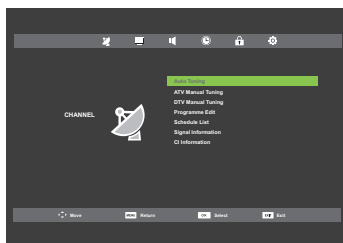
To exit the menu, press **MENU**.

Some settings need to enter PIN code.  
Refer to "Lock Settings" (p. 21).

## Channel Settings

You can edit the channel settings.

- 1 Use **◀ / ▶** to select **[CHANNEL]**.

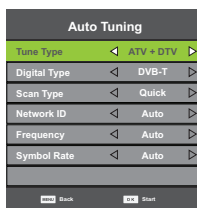


## [Auto Tuning]

You can scan the DTV, ATV or both channel in your area automatically.

- 2 Use **▲ / ▼** to select **[Auto Tuning]**, then press **OK**.

• If you set **[Lock System]** to **[On]**, you have to enter the 6-digit PIN code you set using **the Number buttons**.



- 3 Use **▲ / ▼** to select **[Tune Type]**, then select **[DTV]**, **[ATV]** or both channels, using **◀ / ▶**.
- 4 Use **▲ / ▼** to select **[Digital Type]**, then select **[DVB-T]** or **[DVB-C]**, using **◀ / ▶**.
- 5 Use **▲ / ▼** to select **[Scan Type]**, then select **[Full]** or **[Quick]**, using **◀ / ▶**.
- 6 Use **▲ / ▼** to select the item you want, and then adjust the setting, using **◀ / ▶**.
- 7 Press **OK** to start scanning.

- When scanning starts, confirmation menu will appear.
- To turn back previous page, pressing **MENU** button in **[Auto Tuning]** menu.
- In case when not all available cable channels are found through **[Full]** scanning mode, these programs can be scanned by selecting **[Quick]** mode. Please note, that **[Quick]** mode scanning can take additional time.
- Depending on cable TV provider specification, correct subscription to cable signals cannot be guaranteed.
- When the scanning is completed, the lowest memorised digital or analogue channel will be displayed.
- If you press **MENU** during channel scanning, this operation will be paused, then press **MENU** again to exit the initial setup.

## < For DVB-T scanning >

## [ATV Manual Tuning]

### For Analogue TV operation

You can search ATV channel manually in your area.

- 2 Use **▲ / ▼** to select **[ATV Manual Tuning]**, then press **OK**.

• If you set **[Lock System]** to **[On]**, you have to enter the 6-digit PIN code you set using **the Number buttons**.

- 3 Use **▲ / ▼** to select **[Current CH]**, then use **◀ / ▶** to select the channel you want.
- 4 Use **▲ / ▼** to select **[Color System]**, then use **◀ / ▶** to select the system you want.
- 5 Use **▲ / ▼** to select **[Sound System]**, then use **◀ / ▶** to select the system you want.
- 6 Use **▲ / ▼** to select **[Fine-Tune]**, then use **◀ / ▶** to adjust the setting.
- 7 Use **▲ / ▼** to select **[AFC]**, then use **◀ / ▶** to select **[On]** or **[Off]**.

• If you set to **[On]**, this unit adjust tuning to near channel automatically.

- 8 Use **▲ / ▼** to select **[Search]**, then use **◀** or **▶** to start scanning.

## [DTV Manual Tuning]

### For Digital TV operation

You can search DTV channel manually in your area.

- Use ▲ / ▼ to select **[DTV Manual Tuning]**, then press **OK**.

• If you set **[Lock System]** to **[On]**, you have to enter the 6-digit PIN code you set using **the Number buttons**.

- Use ◀ / ▶ to select the channel you want, then press **OK** to start scanning.

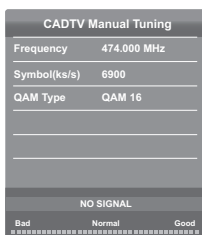
< For DVB-C scanning >

## [CADTV Manual Tuning]

### For Digital TV operation

You can search CADTV channel manually in your area.

- Use ▲ / ▼ to select **[CADTV Manual Tuning]**, then press **OK**.



- Use ▲ / ▼ to select **[Frequency]** and press **OK**, then use ▲ / ▼ to adjust.
- Use ▲ / ▼ to select **[Symbol(ks/s)]** and press **OK**, then use ▲ / ▼ to adjust.
- Use ▲ / ▼ to select **[QAM Type]** and press **OK**, then use ▲ / ▼ to select the type.
- After the settings, press **OK** to start scanning.

## [Programme Edit]

### For Digital TV operation

You can edit the programme settings.

• You can check favourite channel list at "Favourite" (p. 7).

- Use ▲ / ▼ to select **[Programme Edit]**, then press **OK** to show programme edit list.

### Delete channels : [Delete]

- Use ▲ / ▼ to select the channel you want, then press **RED** to delete the current channel.

### Setting unshown channels : [Skip]

- Use ▲ / ▼ to select the channel you want, then press **BLUE** to set the current channel as unshown channel.

### Setting favourite channels : [Fav]

Using Favourite function. Refer to "Favourite" (p. 7).

- Use ▲ / ▼ to select the channel you want, then press **FAV** to set the current channel as favourite.

### Switching channel number : [Move]

You can switch the current programme with the other channel number.

- Use ▲ / ▼ to select the channel you want, then press **YELLOW**, and use **the Number buttons** to enter the other channel number you want to set, then press **OK**.

### New channel number : [Move]

You can place the current programme to new channel number.

- Use ▲ / ▼ to select the channel you want, then press **YELLOW**, and use **the Number buttons** to enter the unused channel number you want to set, then press **OK**.

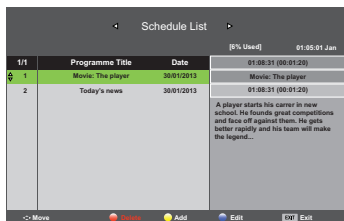


## [Schedule List]

### For Digital TV operation

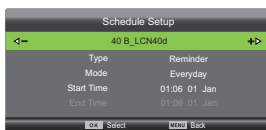
You can see the detailed channel information and reserve TV programme.

- Use ▲ / ▼ to select **[Schedule List]**, then press **OK** to display the list.



### Add new reservation

- Press **YELLOW** to display reservation menu.



- Use ▲ / ▼ to select service selection, use ◀ / ▶ to select the service you want.
- Use ▲ / ▼ to select **[Type]**, use ◀ / ▶ to select **[Reminder]** or **[Recorder]**.
- Use ▲ / ▼ to select **[Mode]**, use ◀ / ▶ to select **[Once]**, **[Everyday]** or **[Weekly]**.

**[Once]** : on any day you choose, up to 12 months away

**[Everyday]** : at the same time on the same channel every day

**[Weekly]** : at the same time on the same channel every week; for example, every Monday

- Use ▲ / ▼ to select **[Start Time]**, use ◀ / ▶ to select the date/time and use ▲ / ▼ to adjust.
- Use ▲ / ▼ to select **[End Time]**, use ◀ / ▶ to select the date/time and use ▲ / ▼ to adjust.
- After the adjustment, press **OK** to save it.

### Delete a reservation

- Use ▲ / ▼ to select the item you want in **[Schedule List]**, and then press **RED** to delete the reservation.

### Edit a reservation

- Use ▲ / ▼ to select the item you want in **[Schedule List]**, and then press **BLUE** to edit the reservation.

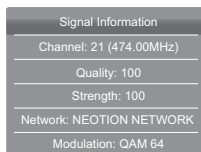
• To edit a reservation, refer to "Add new reservation".

## [Signal Information]

### For Digital TV operation

You can see the detail information about the signal.

- Use ▲ / ▼ to select **[Signal Information]**, then press **OK** to display the detail.



## [CI Information]

### For Digital TV operation

You can see the detail information about the Common Interface, if you have inserted the CI card.

- Use ▲ / ▼ to select **[CI Information]**, then press **OK** to display the detail.

• We do not guarantee the all cards can be supported on this unit.

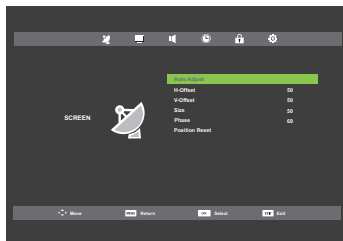
## PC Settings

You can adjust the PC screen position, size and phase.

### Before you begin

You must connect your PC to this unit and select **[PC]** at **[Input Source]**. Refer to “Switching the Input Source Mode” (p. 9).

- 1 Use ◀ / ▶ to select **[SCREEN]**.

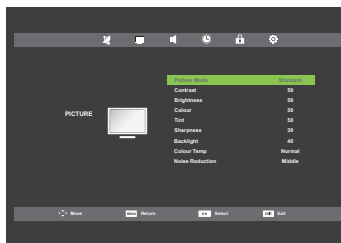


## Picture Adjustment

You can adjust the picture settings according to your personal preference.

These settings are automatically stored after exiting the picture menu.

- 1 Use ◀ / ▶ to select **[PICTURE]**.



### [Auto Adjust]

Each setting will be adjusted automatically.

- 2 Use ▲ / ▼ to select **[Auto Adjust]**, then press **OK**.

### [H-Offset] / [V-Offset] / [Size] / [Phase]

Each setting can be adjusted manually.

**[H-Offset]** : horizontal picture adjustment

**[V-Offset]** : vertical picture adjustment

**[Size]** : clock adjustment

**[Phase]** : phase adjustment

- 2 Use ▲ / ▼ to select the item you want, then adjust the settings according to your personal preference.

- After press **OK** and appear the settings display, you can adjust them.

### [Position Reset]

- 2 Use ▲ / ▼ to select **[Position Reset]**, then press **OK**.

### [Picture Mode]

Each setting will be adjusted manually.

**[Dynamic]** : higher contrast

**[Standard]** : standard

**[Mild]** : lower contrast

**[Personal]** : manual setting

- 2 Use ▲ / ▼ to select **[Picture Mode]**, then press **OK**.
- 3 Use ▲ / ▼ to select **[Dynamic]**, **[Standard]**, **[Mild]** or **[Personal]**, then press **OK**.

- You can change picture mode easily using **PICTURE MODE**.
- Press **PICTURE MODE** repeatedly to select picture mode you want. In this function, you can set also assign the picture mode individually to each input mode.

## [Contrast] / [Brightness] / [Colour] / [Tint] / [Sharpness]

---

Each setting can be adjusted manually.

**[Contrast]** : contrast adjustment

**[Brightness]** : brightness adjustment

**[Colour]** : colour adjustment

**[Tint]** : redness/greenness adjustment

**[Sharpness]** : sharpness adjustment

- 2 Use ▲ / ▼ to select the item you want, then press **OK**, and then appear the setting display, adjust the setting, using ◀ / ▶.

- You can adjust the settings, if you set **[Personal]** in **[Picture Mode]**.

## [Backlight]

---

You can adjust backlight brightness.

- 2 Use ▲ / ▼ to select **[Backlight]**, then press **OK**, and then appear the setting display, adjust the setting, using ◀ / ▶.

## [Colour Temp]

---

You can change the colour tone of the picture.

**[Cold]** : bluer tone

**[Normal]** : average tone

**[Warm]** : redder tone

- 2 Use ▲ / ▼ to select **[Colour Temp]**, then press **OK**.
- 3 Use ▲ / ▼ to select **[Cold]**, **[Normal]** or **[Warm]**, then press **OK**.

## [Noise Reduction]

---

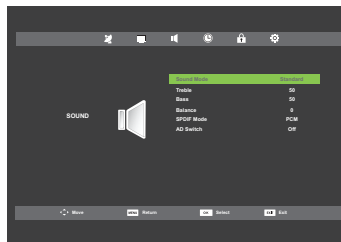
You can adjust to reduce the appearance of digitising error caused by the compression.

- 2 Use ▲ / ▼ to select **[Noise Reduction]**, then press **OK**.
- 3 Use ▲ / ▼ to select **[Off]**, **[Low]**, **[Middle]** or **[High]**, then press **OK**.

## Sound Adjustment

You can adjust the sound settings according to your personal preferences.

- 1 Use ◀ / ▶ to select **[SOUND]**.



## [Sound Mode]

---

Each setting can be adjusted manually.

**[Standard]** : standard

**[Music]** : appropriate for listening to music

**[Movie]** : appropriate for watching a movie

**[Sports]** : appropriate for watching a sport programme

**[Personal]** : manual setting

- 2 Use ▲ / ▼ to select **[Sound Mode]**, then press **OK**.
- 3 Use ▲ / ▼ to select **[Standard]**, **[Music]**, **[Movie]**, **[Sports]** or **[Personal]**, then press **OK**.

- You can change sound mode easily using **SOUND MODE**.
- Press **SOUND MODE** repeatedly to select sound mode you want.

## [Treble] / [Bass] / [Balance]

You can set left / right speaker setting.

**[Treble]** : high pitched tone adjustment

**[Bass]** : low pitched tone adjustment

**[Balance]** : volume balance setting for left and right speakers

- 2 Use ▲ / ▼ to select the item you want, then press **OK**, and then appear the setting display, adjust the setting, using ◀ / ▶.

- You can adjust **[Treble]** and **[Bass]** settings, if you set **[Personal]** in **[Sound Mode]**.

## [SPDIF Mode]

If this unit is connected with coaxial digital audio output jack to your device, you can set this mode.

**[PCM]** : The SPDIF output is PCM format, regardless of the input sound format.

**[Auto]** : The SPDIF output is the same with the input sound format.

**[Off]** : Turn OFF the SPDIF output.

- 2 Use ▲ / ▼ to select **[SPDIF Mode]**, then select **[PCM]**, **[Auto]** or **[Off]**, using ◀ / ▶.

## [AD Switch]

### For Digital TV operation

You can adjust audio output setting and volume for visually impaired.

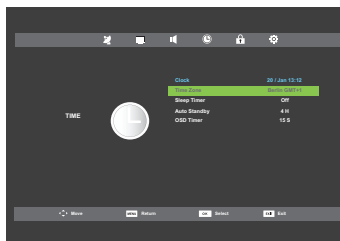
- 2 Use ▲ / ▼ to select **[AD Switch]**, then select **[On]** or **[Off]**, using ◀ / ▶.

- Only MPEG sound is available for this function.

## Time Settings

You can change Time setting.

- 1 Use ◀ / ▶ to select **[TIME]**.



## [Clock]

### For Digital TV operation

**[Clock]** will change with the area which you have selected in the Time Zone.

- It is not available to adjust the time.

## [Time Zone]

You can set the time zone according to the resident area.

- 2 Use ▲ / ▼ to select **[Time Zone]**, then press **OK**.
- 3 Use ▲ / ▼ / ◀ / ▶ to select the time you want, then press **OK**.

## [Sleep Timer]

The sleep timer can be set the unit to go to the standby mode after an incremental period of time.

- 2 Use ▲ / ▼ to select **[Sleep Timer]**, then press **OK**.
- 3 Use ▲ / ▼ to select the time you want, then press **OK**.

• You can set also **SLEEP** button on Remote Control, refer to “Sleep Timer” (p. 8).

## [Auto Standby]

You can set the time to go into standby mode automatically as no activity is detected after power is turned on.

In spite of this setting, the unit goes into standby mode automatically if there is no signal input from the antenna terminal and no user operation for 15 minutes.

- 2 Use ▲ / ▼ to select **[Auto Standby]**, then press **OK**.
- 3 Use ▲ / ▼ to select the time you want, then press **OK**.

## [OSD Timer]

You can set the OSD displaying time during no activity is detected after press **MENU**.

- 2 Use ▲ / ▼ to select **[OSD Timer]**, then press **OK**.
- 3 Use ▲ / ▼ to select the time you want, then press **OK**.

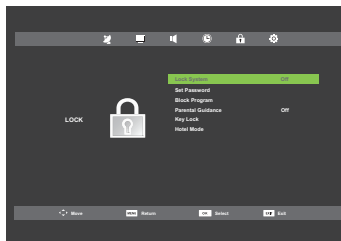
## Lock Settings

You can set following lock settings.

### Before you change the lock settings

You must remember your own PIN code.  
Every lock settings need PIN code.

- 1 Use ◀ / ▶ to select **[LOCK]**.



## [Lock System]

You can set all lock settings.

If you set to **[On]**, all lock settings work.

- 2 Use ▲ / ▼ to select **[Lock System]**, then press **OK** to set to **[On]**.
- 3 Use the **Number buttons** to enter the 6-digit PIN code you set.

- If you have not set up your PIN code, enter 111111.
- When you enter correct PIN code, you can change following settings.
- After you move to other settings, you have to enter your PIN code again to proceed Parental setting.
- If you set to **[On]**, below settings need to enter PIN code due to change the settings.  
: **[Auto Tuning]**, **[ATV Manual Tuning]**, **[DTV Manual Tuning]**, **[Programme Edit]**, **[First Time Installation]** and **[Reset]**.

## [Set Password]

---

You can set your own PIN code.

- 2 Use ▲ / ▼ to select **[Set Password]**, then press **OK**.



- 3 Use the **Number buttons** to enter the 6-digit PIN code you set.
- 4 Use the **Number buttons** to enter the new 6-digit number.
- 5 Use the **Number buttons** to enter the same 6-digit number again.

## [Block Program]

---

- 2 Use ▲ / ▼ to select **[Block Program]**, then press **OK**.
- 3 Press **GREEN** to lock the current channel.

- To unlock programme, input the PIN code you set.

## [Parental Guidance]

---

You can set the parental rating to avoid watching an inappropriate programme for your children.

- 2 Use ▲ / ▼ to select **[Parental Guidance]**, then press **OK**.
- 3 Use ▲ / ▼ to select the age restriction, then press **OK**.

## [Key Lock]

---

You can set **[Key Lock]** and unlock with PIN code.

- 2 Use ▲ / ▼ to select **[Key Lock]**, then select **[On]** or **[Off]**, using ◀ / ▶.

- If you set to **[On]**, you cannot use the buttons on the unit.

## [Hotel Mode]

---

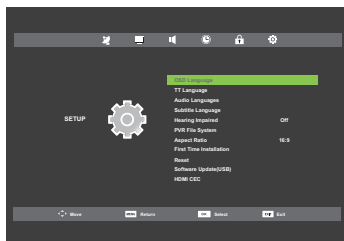
- 2 Use ▲ / ▼ to select **[Hotel Mode]**, then press **OK** to enter **[Hotel Mode]** menu.

- Refer to "Hotel Mode Settings" (p. 26).

## Setup Adjustment

You can change other setting.

- 1 Use ◀ / ▶ to select **[SETUP]**.



### [OSD Language]

You can select the preferred on-screen language.

- 2 Use ▲ / ▼ to select **[OSD Language]**, then press **OK**.
- 3 Use ▲ / ▼ / ◀ / ▶ to select the language you want, then press **OK**.

### [TT Language]

You can select the preferred teletext language.

- 2 Use ▲ / ▼ to select **[TT Language]**, then press **OK**.
- 3 Use ▲ / ▼ / ◀ / ▶ to select the language you want, then press **OK**.

- You can set also buttons on Remote Control, refer to “Teletext Settings” (p. 8).

### [Audio Languages]

You can select the preferred audio language.

- 2 Use ▲ / ▼ to select **[Audio Languages]**, then press **OK**.
- 3 Use ▲ / ▼ / ◀ / ▶ to select the language you want, then press **OK**.

### [Subtitle Language]

You can select the preferred subtitle language.

- 2 Use ▲ / ▼ to select **[Subtitle Language]**, then press **OK**.
- 3 Use ▲ / ▼ / ◀ / ▶ to select the language you want, then press **OK**.

### [Hearing Impaired]

You can set Hearing Impaired mode.

- 2 Use ▲ / ▼ to select **[Hearing Impaired]**, then select **[On]** or **[Off]** using ◀ / ▶.

#### [Hearing Impaired]:

Provides audio service for hearing impaired.

### [PVR File System]

You can check the USB speed.

- 2 Use ▲ / ▼ to select **[PVR File System]**, then press **OK**.

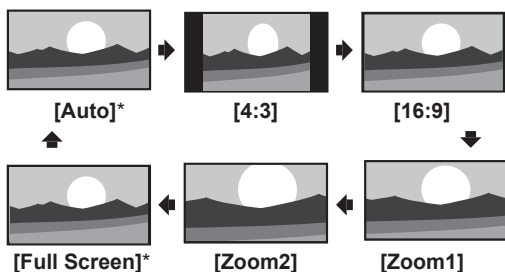
## [Aspect Ratio]

Display modes can be selected when your TV receives a 16:9 or 4:3 video signal. Three types of display modes can be selected for a PC Input signal.

- Use ▲ / ▼ to select **[Aspect Ratio]**, then press **OK**.
- Use ▲ / ▼ to select the TV screen display mode you want, then press **OK**.

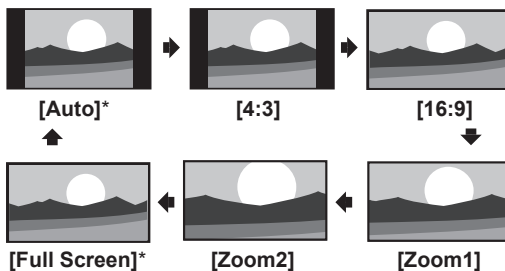
• You cannot set screen display mode in playback mode.

### For 16:9 video signal



<b>[Auto]</b>	: Displays a proportionally stretched picture automatically.
*DTV, ATV, AV, SCART only	
<b>[4:3]</b>	: Displays a 16:9 picture at a 4:3 size. The picture is shortened horizontally. Sidebars appear on both edge of the TV screen.
<b>[16:9]</b>	: Displays a 16:9 picture at its original size.
<b>[Zoom1]</b>	: Displays a picture at its enlarged size without changing its horizontal and vertical ratio. This crops out all sides of the picture.
<b>[Zoom2]</b>	: Displays a picture at its enlarged bigger size without changing its horizontal and vertical ratio. This crops out all sides of the picture.
<b>[Full Screen]</b>	: Displays a picture at its original size.
*DTV, HDMI only	

### For 4:3 video signal



<b>[Auto]</b>	: Displays a proportionally stretched picture automatically.
*DTV, ATV, AV, SCART only	
<b>[4:3]</b>	: Displays a 4:3 picture at its original size. Sidebars appear on both edge of the TV screen.
<b>[16:9]</b>	: Displays a 4:3 picture at a 16:9 size; the picture is stretched more horizontally.
<b>[Zoom1]</b>	: Displays a 4:3 picture at a 16:9 size; at its enlarged size without changing its horizontal and vertical ratio. This crops out all sides of the picture.
<b>[Zoom2]</b>	: Displays a 4:3 picture at a 16:9 size. At its enlarged size bigger than <b>[Zoom1]</b> without changing its horizontal and vertical ratio. This crops out all sides of the picture.
<b>[Full Screen]</b>	: Displays a picture at its original size.
*DTV, HDMI only	

### For PC Input signal



<b>[4:3]</b>	: Displays a picture at a 4:3 size. Sidebars appear on both edges of the TV screen.
<b>[16:9]</b>	: Displays a picture at a 16:9 size; the picture is stretched more horizontally.

- This unit can also be connected to your PC that has a DVI terminal. Use an HDMI-DVI conversion cable for this video connection and it requires stereo mini plug conversion cable for analog audio signal as well.
- Refer to 16:9 video signal on this page if PC has HDMI Output.
- PC resolution standards: 753P series - 1920 x 1080  
553/553P series - 1360 x 768  
For details, refer to "Input Resolution" (p. 32)



## [First Time Installation]

---

You can set initial setup again. Refer to "INITIAL SETUP" (p. 6).

- 2 Use ▲ / ▼ to select **[First Time Installation]**, then press **OK**.
- 3 Follow steps 2 to 10 in "INITIAL SETUP" (p. 6).

## [Reset]

---

You can restore the all settings except channel setting and parental lock settings.

- 2 Use ▲ / ▼ to select **[Reset]**, then press **OK**.
- 3 Press ◀ to select **[Yes]** to reset to default settings.

- After you select **[Yes]**, the unit go into standby and turns on automatically.

## [Software Update(USB)]

---

It is available to update software using USB.

- 2 Use ▲ / ▼ to select **[Software Update(USB)]**, then press **OK**.

## [HDMI CEC]

---

This function allows you to operate the linked functions between devices with HDMI CEC feature and this unit connecting through an HDMI cable.

- Your device must be compatible with HDMI CEC in order to use this function.
- We do not guarantee the all devices can be supported on this unit.

## [HDMI CEC]

---

If you set to **[On]**, HDMI CEC function allows your device to act in conjunction with this unit.

- 2 Use ▲ / ▼ to select **[HDMI CEC]**, and then select **[On]** or **[Off]**, using ◀ / ▶.

## [Auto Power]

---

If you set to **[On]**, when your device turns on, this unit also turns on automatically.

- 2 Use ▲ / ▼ to select **[Auto Power]**, and then select **[On]** or **[Off]**, using ◀ / ▶.

## [Device Menu]

---

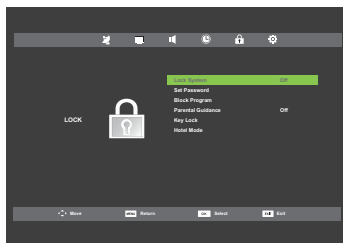
You can see the device title menu of your device.

- 2 Use ▲ / ▼ to select **[Device Menu]**, then press **OK** to display the detail.

## Hotel Mode Settings

You must enter **[Lock System]** due to proceed Hotel Mode setting. For details, refer to “Lock Settings” (p. 21).

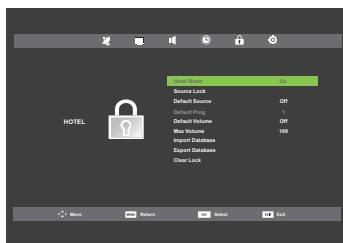
- 1 Use **◀ / ▶** to select **[LOCK]**.
- 2 Use **▲ / ▼** to select **[Lock System]**, then press **OK**.



- 3 Use the **Number buttons** to enter the 6-digit PIN code you set.

## [Hotel Mode]

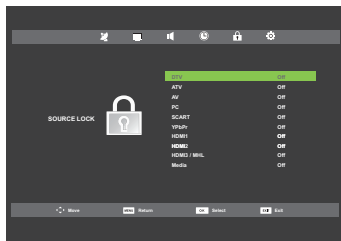
- 4 Use **▲ / ▼** to select **[Hotel Mode]**, then press **OK** to enter **[Hotel Mode]** menu.
- 5 Use **▲ / ▼** to select **[Hotel Mode]**, then press **◀ / ▶** to select **[On]** to adjust following settings.



## [Source Lock]

You can lock the source one by one. If you set to **[On]**, the source does not appear on the display.

- 5 Use **▲ / ▼** to select **[Source Lock]**, then press **OK**.
- 6 Use **▲ / ▼** to select the source you want, then press **OK** to set to **[On]**.



## [Default Source]

You can set the first displaying source as the unit turns on.

- 5 Use **▲ / ▼** to select **[Default Source]**, then press **OK**.
- 6 Use **▲ / ▼** to select the source you want, then press **OK** to set the default.

## [Default Prog]

If you set **[ATV]** in **[Default Source]**, you can set the the first displaying ATV programme number as the unit turns on.

- 5 Use **▲ / ▼** to select **[Default Prog]**, then press **OK**.
- 6 Use **▲ / ▼** to select the programme you want, then press **OK** to set the default.

## [Default Volume]

You can set default audio volume as the unit turns on.

- 5 Use **▲ / ▼** to select **[Default Volume]**, then press **◀ / ▶** to adjust the audio volume.

## [Max Volume]

---

You can set maximum limit of audio volume.

- 5 Use ▲ / ▼ to select **[Max Volume]**, then press ◀ / ▶ to adjust the audio volume.

- If you set to **[On]** in **[Lock System]**, you cannot turn the volume up over setup volume.

## [Import Database]

---

You can import the Hotel Mode settings from USB flash memory.

- 5 Use ▲ / ▼ to select **[Import Database]**, then press **OK**.

- After importing, the unit will go into the standby mode automatically.
- If a USB flash memory does not insert, an error message will appear.

## [Export Database]

---

You can export the current menu settings to USB flash memory.

- 5 Use ▲ / ▼ to select **[Export Database]**, then press **OK**.

- During exporting, LED on front panel will turn into red. (It'll take about 5 - 10sec.)
- After exporting, no message will appear.
- It takes about 10 seconds to complete the exporting the data.
- If a USB flash memory does not insert, an error message will appear.

## [Clear Lock]

---

You can restore the Hotel Mode settings.

- 5 Use ▲ / ▼ to select **[Clear Lock]**, then press **OK**.

# TROUBLESHOOTING GUIDE

Sometimes a performance problem can be easily solved by checking seemingly apparent but often overlooked possibilities. Before arranging for service, check these items. It could save you time and money.

Problem	Possible Remedy
Remote control does not work	<ul style="list-style-type: none"> <li>• Is unit plugged in?</li> <li>• Power at outlet?</li> <li>• Check batteries in remote control.</li> </ul>
Bars on TV screen	<ul style="list-style-type: none"> <li>• If outside antenna is being used, check for broken wire.</li> <li>• Check for local interference.</li> </ul>
Picture distorted	<ul style="list-style-type: none"> <li>• Try a new channel, if OK, then possibly due to poor channel reception.</li> <li>• If outside antenna is being used, check for broken wire.</li> <li>• Surrounding temperature is too low.</li> </ul>
Picture rolls vertically	<ul style="list-style-type: none"> <li>• Try a new channel, if OK, then possibly due to poor channel reception.</li> <li>• If outside antenna is being used, check for broken wire.</li> <li>• Check for local interference.</li> </ul>
No colour	<ul style="list-style-type: none"> <li>• Try a new channel, if OK, then possibly due to poor channel reception.</li> <li>• Is antenna connected to terminal on the back of the unit?</li> <li>• If outside antenna is being used, check for broken wire.</li> <li>• Adjust <b>[Colour]</b> control.</li> </ul>
Ghosts in picture or Poor reception on some channels	<ul style="list-style-type: none"> <li>• Try a new channel, if OK, then possibly due to poor channel reception.</li> <li>• Is antenna connected to terminal on the back of the unit?</li> <li>• If outside antenna is being used, check for broken wire.</li> <li>• Check for local interference.</li> </ul>
Weak picture	<ul style="list-style-type: none"> <li>• Try a new channel, if OK, then possibly due to poor channel reception.</li> <li>• Is antenna connected to terminal on the back of the unit?</li> <li>• If outside antenna is being used, check for broken wire.</li> <li>• Adjust <b>[Contrast]</b> and <b>[Brightness]</b> control.</li> <li>• Surrounding temperature is too low.</li> </ul>
Lines or streaks in picture	<ul style="list-style-type: none"> <li>• Try a new channel, if OK, then possibly due to poor channel reception.</li> <li>• If outside antenna is being used, check for broken wire.</li> <li>• Check for local interference.</li> </ul>
Picture blurred	<ul style="list-style-type: none"> <li>• Try a new channel, if OK, then possibly due to poor channel reception.</li> <li>• If outside antenna is being used, check for broken wire.</li> </ul>
Sound OK, picture poor	<ul style="list-style-type: none"> <li>• Try a new channel, if OK, then possibly due to poor channel reception.</li> <li>• Is antenna connected to terminal on the back of the unit?</li> <li>• If outside antenna is being used, check for broken wire.</li> <li>• Check for local interference.</li> <li>• Adjust <b>[Contrast]</b> and <b>[Brightness]</b> control.</li> </ul>
Picture OK, sound poor	<ul style="list-style-type: none"> <li>• Try a new channel, if OK, then possibly due to poor channel reception.</li> <li>• Check for local interference.</li> </ul>
No picture or sound	<ul style="list-style-type: none"> <li>• Try a new channel, if OK, then possibly due to poor channel reception.</li> <li>• Is unit plugged in?</li> <li>• Power at outlet?</li> <li>• Is unit's power on?</li> <li>• Is antenna connected to terminal on the back of the unit?</li> <li>• If outside antenna is being used, check for broken wire.</li> <li>• Unplug the AC power cord and wait for about 1 minute, then plug the AC power cord and turn on the unit again.</li> </ul>
Different colour marks on TV screen	<ul style="list-style-type: none"> <li>• Try a new channel, if OK, then possibly due to poor channel reception.</li> </ul>

Problem	Possible Remedy
Black or luminous point on TV screen	<ul style="list-style-type: none"><li data-bbox="383 81 673 108">• It is quality of the LCD Panel.</li></ul>

# SPECIFICATIONS

Panel size	46.0 inches / 116.80cm (46FD753P) 38.6 inches / 98.04cm (39FL753P) 31.5 inches / 80.01cm (32FL553P, 32FL553) 28.5 inches / 72.39cm (29FL553P, 29FL553) 23.6 inches / 59.94cm (24FL553P, 24FL553)
Television system	DVB-T/C(MPEG2/MPEG4-H.264), PAL-B/G, D/K, SECAM-B/G, D/K, L
Sound output	10 W, 8 $\Omega$ $\times$ 2 (46FD753P) 8 W, 8 $\Omega$ $\times$ 2 (39FL753P) 8 W, 8 $\Omega$ $\times$ 2 (32FL553P, 32FL553) 8 W, 8 $\Omega$ $\times$ 2 (29FL553P, 29FL553) 5 W, 8 $\Omega$ $\times$ 2 (24FL553P, 24FL553)
Remote control	Digital encoded infrared light system
Operating temperature	0 °C to 40 °C
Power requirements	AC 220-240 V ~ , 50 Hz
Power consumption - Energy class A	90 W / stand by: less than 0.5W (46FD753P) 62 W / stand by: less than 0.5W (39FL753P) 52 W / stand by: less than 0.5W (32FL553P) 44 W / stand by: less than 0.5W (32FL553) 50 W / stand by: less than 0.5W (29FL553P) 42 W / stand by: less than 0.5W (29FL553) 35 W / stand by: less than 0.5W (24FL553P) 30 W / stand by: less than 0.5W (24FL553)
<b>Terminals</b>	
Antenna	UHF/VHF 75 $\Omega$
Audio input	RCA jack x 2 (L/R)
Composite video input	RCA jack $\times$ 1
Component video input	RCA jack $\times$ 3 (Y/Pb/Pr)
HDMI input (19 pin)	HDMI x 2
HDMI input (with MHL function)	HDMI x 1 (46FD753P, 39FL753P, 32FL553P, 29FL553P, 24FL553P)
PC input	D-Sub 15pin x 1 (RGB) / Mini jack $\varnothing$ 3.5 mm x 1 (Audio)
SCART	SCART x 1
Headphone audio output	Mini jack $\varnothing$ 3.5 mm x 1
Coaxial digital audio output	RCA jack $\times$ 1

**USB terminal** USB × 1

**Common Interface** CI slot × 1

**Dimensions  
without base**

H: 657.5 mm / W: 1088.8 mm / D: 122.0 mm (46FD753P)  
H: 542.0 mm / W: 912.0 mm / D: 60.0 mm (39FL753P)  
H: 451.5 mm / W: 754.6 mm / D: 57.0 mm (32FL553P, 32FL553)  
H: 412.0 mm / W: 686.5 mm / D: 57.0 mm (29FL553P, 29FL553)  
H: 350.8 mm / W: 576.9 mm / D: 53.7 mm (24FL553P, 24FL553)

**Dimensions  
with base**

H: 707.9 mm / W: 1088.8 mm / D: 270.3 mm (46FD753P)  
H: 587.5 mm / W: 912.0 mm / D: 214.0 mm (39FL753P)  
H: 494.7 mm / W: 754.6 mm / D: 180.0 mm (32FL553P, 32FL553)  
H: 456.0 mm / W: 686.5 mm / D: 180.0 mm (29FL553P, 29FL553)  
H: 389.4 mm / W: 576.9 mm / D: 139.8 mm (24FL553P, 24FL553)

• Protruding parts excluded.

**Weight  
without base**

12.40 kg (46FD753P)  
8.68 kg (39FL753P)  
5.61 kg (32FL553P, 32FL553)  
4.80 kg (29FL553P, 29FL553)  
3.35 kg (24FL553P, 24FL553)

**Weight  
with base**

14.40 kg (46FD753P)  
10.00 kg (39FL753P)  
5.85 kg (32FL553P, 32FL553)  
5.04 kg (29FL553P, 29FL553)  
3.53 kg (24FL553P, 24FL553)

## Input Resolution

- HD models: 32FL553P/32FL553/29FL553P/29FL553/24FL553P/24FL553
- Full HD models: 46FL753P/39FL753P

YPbPr IN (Component video)		PC(VGA) IN HD models		PC(VGA) IN Full HD models	
Resolution		Resolution	Refresh rate	Resolution	Refresh rate
480i/p		640 x 480	60Hz / 72Hz / 75Hz	640 x 480	60Hz / 72Hz / 75Hz
576i/p		720 x 400	70Hz	720 x 400	70Hz
720p		800 x 600	60Hz / 72Hz / 75Hz	800 x 600	60Hz / 72Hz / 75Hz
1080i		1024 x 768	60Hz / 70Hz / 75Hz	1024 x 768	60Hz / 70Hz / 75Hz
HDMI		1280 x 768	60Hz / 75Hz	1280 x 768	60Hz / 75Hz
Resolution	Refresh rate	1280 x 800	60Hz	1280 x 800	60Hz
480i/p	60Hz	1360 x 768	60Hz	1280 x 960	60Hz
576i/p	50Hz			1280 x 1024	60Hz
720p	50Hz / 60Hz			1360 x 768	60Hz
1080i/p	50Hz / 60Hz			1680 x 1050	60Hz
1080p	24Hz			1920 x 1080	60Hz

## Multimedia Format

[PHOTO]		
File Ext.	Codec	Remark
.jpg/.jpeg	Progressive JPEG	Max Resolution: 1024 x 768
	Baseline JPEG	Max Resolution: 8192 x 8192

[MUSIC]		
File Ext.	AUDIO Codec	Remark
.mp3	MP3	Sample rate: 32k - 48kHz Bit rate: 32k - 320kbps Channel: Mono / Stereo

[MOVIE]			
Container	VIDEO Codec	AUDIO Codec	Max Resolution
.avi	H.264	MP3, Dolby Digital, AAC	1920 x 1080
.mkv			
.mov			
.mp4	H.264	MP3, Dolby Digital, AAC	720 x 576
	MPEG 2		

File system	
File Format	
Format	FAT32 / FAT16





A39Q1EP/A33T1EP/A33F1EP/A33F0EP/A33M1EP/A33M0EP/A33L1EP/A33L0EP

